

AMENDMENTS TO THE CLAIMS

1 – 45. (Canceled)

46. (New) A method of treating a lung of a patient, the method comprising:

providing a one-way valve for bronchial intra-luminal deployment;

providing a cavity within the one-way valve sufficient in size and configuration to permit the temporary storage of a releasable therapeutic compound therein; and

providing the therapeutic compound at least partially within the cavity such that when the valve is deployed intra-luminally, the compound can be released either at a target site of deployment or proximal thereto contemporaneously with deployment or thereafter.

47. (New) The method of Claim 46, wherein the method further comprises deploying a second one-way valve intra-luminally to a second target site.

48. (New) The method of Claim 46, wherein the one-way valve comprises a central post.

49. (New) The method of Claim 48, wherein at least a portion of the cavity resides within the central post.

50. (New) The method of Claim 46, wherein the valve comprises a cavity cover that at least partially encloses the cavity.

51. (New) The method of Claim 50, wherein the cavity cover comprises an opening limiting the release of the therapeutic compound from the cavity.

52. (New) The method of Claim 46, wherein the method provides at least one anchor for minimizing migration within the air passageway when the anchor is deployed.

53. (New) The method of Claim 46, wherein the therapeutic compound is an anti-microbial compound.

54. (New) The method of Claim 53, wherein the anti-microbial compound permits a controlled release of ionic silver.

55. (New) The method of Claim 46, wherein the therapeutic compound is selected from a group consisting of tissue growth inhibitors, tissue growth enhancers, anti-microbial agents, anti-inflammatory agents, and biological reaction inhibitors.

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56. (New) The method of Claim 46, wherein the therapeutic compound is arranged to control biological interaction over a period of time.